Title (en)

BLOCK COPOLYMER COMPOSITION, METHOD FOR PRODUCING THE SAME, AND FILM OF THE SAME

Title (de)

BLOCKCOPOLYMER-ZUSAMMENSETZUNG, VERFAHREN ZU IHRER HERSTELLUNG UND FOLIE DARAUS

Title (fr)

COMPOSITION DE COPOLYMÈRE SÉQUENCÉ, SON PROCÉDÉ DE FABRICATION ET FILM DE CELLE-CI

Publication

EP 2264101 A1 20101222 (EN)

Application

EP 09726906 A 20090330

Priority

- JP 2009056449 W 20090330
- JP 2008091770 A 20080331

Abstract (en)

A block copolymer composition comprising an aromatic vinyl-conjugated diene-aromatic vinyl block copolymer having a high-level balance between a high elastic modulus and a small elongation set is provided. The block copolymer composition comprises a block copolymer A represented by formula (A) and a block copolymer B represented by formula (B), where the weight ratio of the block copolymer A to the block copolymer B, A/B, is from 36/64 to 85/15 and the ratio of the aromatic vinyl monomer units relative to all polymer components in the block copolymer composition is 27-70 wt%. Ar1 a -D a -Ar2 a (A). Ar1 b -D b -Ar2 b (B). (In the formulae, Ar1 a , Ar1 b and Ar2 b each represent an aromatic vinyl polymer block having a weight-average molecular weight of from 6,000 to 18,000; Ar2 a represents an aromatic vinyl polymer block having a weight-average molecular weight of from 40,000 to 400,000; D a and D b each represent a conjugated diene polymer block having a vinyl bond content of from 1 to 20% by mol; and D b has a weight-average molecular weight of from 60,000 to 400,000).

IPC 8 full level

C08L 53/02 (2006.01); **C08J 5/18** (2006.01)

CPC (source: EP US)

C08J 5/18 (2013.01 - EP US); **C08L 53/02** (2013.01 - EP US); C08J 2353/02 (2013.01 - EP US); C08L 2205/02 (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

EP 09726906 A 20090330; CN 200980112539 A 20090330; JP 2009056449 W 20090330; JP 2010505887 A 20090330; US 93536109 A 20090330